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Claims

1. A compound, or a pharmaceutically acceptable salt thereof, having the following formula I:

$$H_{2N}$$
 NH(CH₂) H_{2N} COOR

wherein n is an integer from 0-1, and R is elected from the group consisting of hydrogen, C_{1-10} alkyl, C_{1-10} aryl and

2. The compound of claim 1, which has the following formula II:

$$\begin{array}{c} \text{HN} \\ \text{NH-CH}_2 \\ \end{array} \begin{array}{c} \text{COOCH}_2 \\ \end{array} \begin{array}{c} \text{CH}_3 \\ \end{array}$$

- 3. A pharmaceutical composition, which composition comprises the compound of claim 1.
- 4. The pharmaceutically composition of claim 3, which further comprises a pharmaceutically acceptable carrier or excipient.
- 5. A method for treating or preventing a disease or disorder caused by Helicobacter pylori (H. pylori) infection, which method comprises administering, to a subject to which such treatment or prevention is needed or desirable, an effective amount of the compound of claim 1, or a pharmaceutically acceptable salt thereof, thereby said disease or disorder is treated or prevented.

- 6. The method of claim 5, wherein the subject is a mammal.
- 7. The method of claim 6, wherein the mammal is a human.

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- 8. The method of claim 5, which comprises administering the compound of claim 2, or a pharmaceutically acceptable salt thereof, to the subject.
- 9. The method of claim 5, which comprises administering the pharmaceutical composition of claim 3 to the subject.

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10. The method of claim 5, wherein the disease or disorder caused by *H. pylori* infection to treated or prevented is chronic gastritis, gastroduodenal ulcer, adenocarcinoma of the distal stomach, gastric lymphoma or gastric cancer.

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11. The method of claim 5, wherein the subject is treated without administering an anti-*H. pylori* agent.

inhibitor (PPI), metronidazole, clarithromycin or amoxicillin.

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13. The method of claim 5, wherein the *H. pylori* is a resistant strain induced by PPI, metronidazole, clarithromycin or amoxicillin treatment.

The method of claim 11, wherein the anti-H. pylori agent is proton-pump

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14. The method of claim 5, wherein the compound or a pharmaceutically acceptable salt thereof is administered by intracavernous injection, subcutaneous injection, intravenous injection, intramuscular injection, intradermal injection, oral administration, or topical administration.

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15. The method of claim 5, which further comprises a step of diagnosing or pragnosing *H. pylori* infection in the subject.

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- 16. A combination, which combination comprises the compound of claim 1, or a pharmaceutically acceptable salt thereof, and an anti-*H. pylori* agent.
- 17. The combination of claim 16, wherein the anti-*H. pylori* agent is PPI, metronidazole, clarithromycin or amoxicillin.
- 18. A method for treating or preventing a disease or disorder caused by *H. pylori* infection, which method comprises administering, to a subject to which such treatment or prevention is needed or desirable, an effective amount of the combination of claim 16, or a pharmaceutically acceptable salt thereof, thereby said disease or disorder is treated or prevented.
- 19. A kit, which kit comprises the compound of claim 1, or a pharmaceutically acceptable salt thereof, and an instruction for using said compound or pharmaceutically acceptable salt in treating or preventing a disease or disorder caused by *H. pylori* infection.
- 20. A kit, which kit comprises the combination of claim 15, and an instruction for using said combination in treating or preventing a disease or disorder caused by *H. pylori* infection.